

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051146

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC 7 B29C33/38 B29C67/00 B29D11/00 B29C35/08  |  |  |  |  |            |  |                       |      |  |     |   |  |     |
|--|--|--|--|--|------------|--|-----------------------|------|--|-----|---|--|-----|
| According to International Patent Classification (IPC) or to both national classification and IPC  |  |  |  |  |            |  |                       |      |  |     |   |  |     |
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC 7 B29C B29D G02C   |  |  |  |  |            |  |                       |      |  |     |   |  |     |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |  |  |  |  |            |  |                       |      |  |     |   |  |     |
| Electronic data base consulted during the international search (name of data base and, where practical, search terms used)<br>EPO-Internal, WPI Data, PAJ  |  |  |  |  |            |  |                       |      |  |     |   |  |     |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Category °</th> <th style="text-align: left; padding: 2px;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; padding: 2px;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">P, X</td> <td style="padding: 2px;">           WO 2004/039554 A (JOHNSON &amp; JOHNSON VISION CARE) 13 May 2004 (2004-05-13)<br/>           figures 1-5<br/>           page 3, paragraph 1 - page 4, paragraph 2<br/>           page 12, paragraph 1 - page 14, paragraph 1<br/>           claims 1-14<br/>           -----<br/>           WO 02/091030 A (WIRES DUANE L ; OPTICAST INC (US)) 14 November 2002 (2002-11-14)<br/>           page 29, line 6 - line 30; claims 1-17,28;<br/>           figure 13<br/>           page 13, line 8 - line 9<br/>           page 9, line 13 - page 10, line 17<br/>           -----<br/>           -/-/         </td> <td style="padding: 2px;">1-8</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">1-8</td> </tr> </tbody> </table> |  |  |  |  | Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | P, X | WO 2004/039554 A (JOHNSON & JOHNSON VISION CARE) 13 May 2004 (2004-05-13)<br>figures 1-5<br>page 3, paragraph 1 - page 4, paragraph 2<br>page 12, paragraph 1 - page 14, paragraph 1<br>claims 1-14<br>-----<br>WO 02/091030 A (WIRES DUANE L ; OPTICAST INC (US)) 14 November 2002 (2002-11-14)<br>page 29, line 6 - line 30; claims 1-17,28;<br>figure 13<br>page 13, line 8 - line 9<br>page 9, line 13 - page 10, line 17<br>-----<br>-/-/ | 1-8 | X |  | 1-8 |
| Category °   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.                              |  |  |            |  |                       |      |  |     |   |  |     |
| P, X   | WO 2004/039554 A (JOHNSON & JOHNSON VISION CARE) 13 May 2004 (2004-05-13)<br>figures 1-5<br>page 3, paragraph 1 - page 4, paragraph 2<br>page 12, paragraph 1 - page 14, paragraph 1<br>claims 1-14<br>-----<br>WO 02/091030 A (WIRES DUANE L ; OPTICAST INC (US)) 14 November 2002 (2002-11-14)<br>page 29, line 6 - line 30; claims 1-17,28;<br>figure 13<br>page 13, line 8 - line 9<br>page 9, line 13 - page 10, line 17<br>-----<br>-/-/ | 1-8  |  |  |            |  |                       |      |  |     |   |  |     |
| X  |  | 1-8  |  |  |            |  |                       |      |  |     |   |  |     |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.  |  |  |  |  |            |  |                       |      |  |     |   |  |     |
| ° Special categories of cited documents :<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"E" earlier document but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed   |  |  |  |  |            |  |                       |      |  |     |   |  |     |
| "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.<br>"&" document member of the same patent family  |  |  |  |  |            |  |                       |      |  |     |   |  |     |
| Date of the actual completion of the international search  |  | Date of mailing of the international search report |  |  |            |  |                       |      |  |     |   |  |     |
| 15 November 2004   |  | 11.03.2005   |  |  |            |  |                       |      |  |     |   |  |     |
| Name and mailing address of the ISA  |  | Authorized officer                                 |  |  |            |  |                       |      |  |     |   |  |     |
| European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016  |  | Brunswick, A                                       |  |  |            |  |                       |      |  |     |   |  |     |

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|----------|---|-----------------------|
| X        | DATABASE WPI<br>Section Ch, Week 198003<br>Derwent Publications Ltd., London, GB;<br>Class A32, AN 1980-04514c<br>XP002305699<br>-& JP 53 010447 A (NIPPON CONTACT LENS)<br>30 January 1978 (1978-01-30)<br>abstract<br>----- | 1                     |
| X        | WO 01/74560 A (GALE MICHAEL THOMAS ;<br>SUISSE ELECTRONIQUE MICROTECH (CH); ROSSI<br>MARKUS) 11 October 2001 (2001-10-11)<br>page 4 - page 6; claim 1; figure 1<br>-----  | 1,6                   |
| X        | WO 02/27388 A (NOVARTIS ERFIND VERWALT<br>GMBH ; NOVARTIS AG (CH); ANDINO RAFAEL<br>VICTOR) 4 April 2002 (2002-04-04)<br>page 15, paragraph 5; figures 11,12<br>-----   | 1                     |
| A        | US 5 861 114 A (VAN DER MEULEN WYBREN ET<br>AL) 19 January 1999 (1999-01-19)<br>column 7, line 6 - line 35; figure 5<br>-----   | 1,6-8                 |
| A        | US 6 086 204 A (MAGNANTE PETER C)<br>11 July 2000 (2000-07-11)<br>abstract<br>column 17, line 31 - column 18, line 13;<br>claims 1,4<br>-----   | 1                     |
| A        | US 3 658 528 A (BERMAN ELLIOT ET AL)<br>25 April 1972 (1972-04-25)<br>columns 2-4; figures 1-5<br>-----   | 1                     |

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2004/051146

| Patent document cited in search report |   | Publication date |      | Patent family member(s) |  | Publication date |
|--|---|------------------|------|-------------------------|--|------------------|
| WO 2004039554                          | A | 13-05-2004       | WO   | 2004039554 A2           |  | 13-05-2004       |
| WO 02091030                            | A | 14-11-2002       | WO   | 02091030 A2             |  | 14-11-2002       |
| JP 53010447                            | A | 30-01-1978       | JP   | 1006662 C               |  | 31-07-1980       |
|  |   |                  | JP   | 54042770 B              |  | 15-12-1979       |
| WO 0174560                             | A | 11-10-2001       | GB   | 2360971 A               |  | 10-10-2001       |
|  |   |                  | EP   | 1272877 A2              |  | 08-01-2003       |
|  |   |                  | WO   | 0174560 A2              |  | 11-10-2001       |
|  |   |                  | US   | 2004032667 A1           |  | 19-02-2004       |
| WO 0227388                             | A | 04-04-2002       | AU   | 2057002 A               |  | 08-04-2002       |
|  |   |                  | WO   | 0227388 A1              |  | 04-04-2002       |
|  |   |                  | EP   | 1337890 A1              |  | 27-08-2003       |
|  |   |                  | JP   | 2004510199 T            |  | 02-04-2004       |
|  |   |                  | US   | 2002075447 A1           |  | 20-06-2002       |
| US 5861114                             | A | 19-01-1999       | US   | 5702735 A               |  | 30-12-1997       |
|  |   |                  | US   | 5545366 A               |  | 13-08-1996       |
|  |   |                  | AT   | 222850 T                |  | 15-09-2002       |
|  |   |                  | CA   | 2233556 A1              |  | 30-09-1998       |
|  |   |                  | DE   | 69807390 D1             |  | 02-10-2002       |
|  |   |                  | DE   | 69807390 T2             |  | 24-04-2003       |
|  |   |                  | EP   | 0876900 A1              |  | 11-11-1998       |
|  |   |                  | JP   | 11038368 A              |  | 12-02-1999       |
|  |   |                  | AT   | 211057 T                |  | 15-01-2002       |
|  |   |                  | AU   | 718165 B2               |  | 06-04-2000       |
|  |   |                  | AU   | 2249499 A               |  | 24-06-1999       |
|  |   |                  | AU   | 705742 B2               |  | 03-06-1999       |
|  |   |                  | AU   | 6556096 A               |  | 10-04-1997       |
|  |   |                  | CA   | 2186571 A1              |  | 30-03-1997       |
|  |   |                  | DE   | 69618125 D1             |  | 31-01-2002       |
|  |   |                  | DE   | 69618125 T2             |  | 13-06-2002       |
|  |   |                  | EP   | 1116576 A2              |  | 18-07-2001       |
|  |   |                  | EP   | 0765734 A2              |  | 02-04-1997       |
|  |   |                  | JP   | 9187871 A               |  | 22-07-1997       |
|  |   |                  | SG   | 90012 A1                |  | 23-07-2002       |
|  |   |                  | AT   | 213198 T                |  | 15-02-2002       |
|  |   |                  | AU   | 2056095 A               |  | 21-12-1995       |
|  |   |                  | AU   | 716599 B2               |  | 02-03-2000       |
|  |   |                  | AU   | 2812799 A               |  | 01-07-1999       |
|  |   |                  | BR   | 9502732 A               |  | 12-03-1996       |
|  |   |                  | CA   | 2151327 A1              |  | 11-12-1995       |
|  |   |                  | CZ   | 9501471 A3              |  | 11-09-1996       |
|  |   |                  | DE   | 69525389 D1             |  | 21-03-2002       |
|  |   |                  | DE   | 69525389 T2             |  | 29-08-2002       |
|  |   |                  | EP   | 1084818 A1              |  | 21-03-2001       |
|  |   |                  | EP   | 0687551 A2              |  | 20-12-1995       |
|  |   |                  | JP   | 8001673 A               |  | 09-01-1996       |
|  |   |                  | ZA   | 9504800 A               |  | 09-12-1996       |
| US 6086204                             | A | 11-07-2000       | EP   | 1215992 A1              |  | 26-06-2002       |
|  |   |                  | JP   | 2003509731 T            |  | 11-03-2003       |
|  |   |                  | WO   | 0121061 A1              |  | 29-03-2001       |
| US 3658528                             | A | 25-04-1972       | NONE |                         |  |                  |

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8

Method of making a mould for moulding customized optical surfaces and lens moulding method

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2. claims: 9-15

Exposure device for a photoresist layer

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### Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-8

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.